

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/09872

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.<sup>7</sup> H01L29/78, H01L21/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.<sup>7</sup> H01L29/78, H01L21/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2000-082812 A (Denso Corp.), 21 March, 2000 (21.03.00), Full text; Figs. 1 to 16 (Family: none)	1-21
Y	JP 9-045899 A (Sony Corp.), 14 February, 1997 (14.02.97), Full text; Figs. 1 to 6 (Family: none)	1-21
Y	US 6015725 A (Sony Corp.), 18 January, 2000 (18.01.00), Full text; Figs. 1 to 6 & JP 10-065160 A Full text; Figs. 1 to 12	1-21

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not

considered to be of particular relevance

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date

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cited to establish the publication date of another citation or other

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"O" document referring to an oral disclosure, use, exhibition or other

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"P" document published prior to the international filing date but later

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later document published after the international filing date or

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document of particular relevance; the claimed invention cannot be

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document of particular relevance; the claimed invention cannot be

considered to involve an inventive step when the document is

combined with one or more other such documents, such

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"&amp;"

document member of the same patent family

Date of the actual completion of the international search

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Japanese Patent Office

Authorized officer

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 6-224438 A (Toshiba Corp., Toshiba Micro-Electronics Corp.), 12 August, 1994 (12.08.94), Full text; Figs. 1 to 9 (Family: none)	1-21
Y	JP 10-308510 A (Denso Corp.), 17 November, 1998 (17.11.98), Full text; Figs. 1 to 32 (Family: none)	3-21